CLAIMS .

What is claimed is:

1. A polymer having the structure:

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wherein:

R1 is the same or different at each occurrence and is selected from hydrogen, C_1 - C_{20} alkyl, C_2 - C_{20} alkenyl, C_2 - C_{20} alkynyl, C_1 - C_{20} alkoxy, C_1 - C_{20} oxyalkyl, C_2 - C_{20} oxyalkenyl, C_2 - C_{20} oxyalkynyl, C_1 - C_{20} fluorinated alkyl, C_2 - C_{20} fluorinated alkenyl, C_1 - C_2 0 fluorinated oxyalkyl, C_2 - C_2 0 fluorinated oxyalkynyl, aryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroaryl, -CN, -OR³, -CO2R³, -SR³, -N(R³)2, -P(R³)2, -SOR³, -SO2R³, and -NO2; or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring,

 $\rm R^2$ is the same or different at each occurrence and is selected from C₁-C₂₀ alkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ alkoxy, C₁-C₂₀ oxyalkyl, C₂-C₂₀ oxyalkenyl, C₂-C₂₀ oxyalkynyl, C₁-C₂₀ fluorinated alkyl, C₂-C₂₀ fluorinated alkenyl, C₁-C₂₀ fluorinated oxyalkyl, C₂-C₂₀ fluorinated oxyalkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, -CN, -OR³, -CO₂R³, -SR³, -N(R³)₂, -P(R³)₂, -SOR³, -SO₂R³, and -NO₂; or adjacent R groups together can form a 5- or 6-membered cycloalkyl or heterocycloalkyl ring, and

R³ is a substituent on a heteroatom which can be the same or different at each occurrence and is selected from hydrogen, alkyl, aryl, heteroalkyl and heteroaryl; and

n is greater than 2.

- 2. A polymer according to Claim 1, wherein n is greater than 10.
- A polymer according to Claim 1, wherein R¹ is a C₁-C₂₀ alkyl.
- A polymer according to Claim 1, wherein R² is a C₁-C₂₀ alkyl.

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- 5. A polymer according to Claim 1, wherein the polymer has an emission maximum less than 500 nm.
- 6. An electronic device comprising an active layer positioned between two electrical contact layers, wherein the active layer comprises a polymer having the structure:

wherein:

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R1 is the same or different at each occurrence and is selected from hydrogen, C₁-C₂₀ alkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ alkoxy, C₁-C₂₀ oxyalkyl, C₂-C₂₀ oxyalkenyl, C₂-C₂₀ oxyalkynyl, C₁-C₂₀ fluorinated alkyl, C₂-C₂₀ fluorinated alkenyl, C₁-C₂₀ fluorinated oxyalkyl, C₂-C₂₀ fluorinated oxyalkenyl, C₂-C₂₀ fluorinated oxyalkynyl, aryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroaryl, -CN, -OR³, -CO₂R³, -SR³, -N(R³)₂, -P(R³)₂, -SOR³, -SO₂R³, and -NO₂; or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring,

 $\rm R^2$ is the same or different at each occurrence and is selected from $\rm C_1\text{-}C_{20}$ alkyl, $\rm C_2\text{-}C_{20}$ alkenyl, $\rm C_2\text{-}C_{20}$ alkynyl, $\rm C_1\text{-}C_{20}$ alkoxy, $\rm C_1\text{-}C_{20}$ oxyalkyl, $\rm C_2\text{-}C_{20}$ oxyalkenyl, $\rm C_2\text{-}C_{20}$ oxyalkynyl, $\rm C_1\text{-}C_{20}$ fluorinated alkyl, $\rm C_2\text{-}C_{20}$ fluorinated alkenyl, $\rm C_1\text{-}C_{20}$ fluorinated oxyalkyl, $\rm C_2\text{-}C_{20}$ fluorinated oxyalkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, -CN, -OR³, -CO_2R³, -SR³, -N(R³)_2, -P(R³)_2, -SOR³, -SO_2R³, and -NO_2; or adjacent R groups together can form a 5- or 6-membered cycloalkyl or heterocycloalkyl ring, and

R³ is a substituent on a heteroatom which can be the same or different at each occurrence and is selected from hydrogen, alkyl, aryl, heteroalkyl and heteroaryl; and

n is greater than 2.

7. An electronic device according to Claim 5, wherein the device and emits light at a wavelength less than 500 nm.

8. A compound having the structure:

$$R^1$$
 R^2
 R^2
 R^2

R¹ is the same or different at each occurrence and is selected from hydrogen, C₁-C₂₀ alkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ alkoxy, C₁-C₂₀ oxyalkyl, C₂-C₂₀ oxyalkenyl, C₂-C₂₀ oxyalkynyl, C₁-C₂₀ fluorinated alkyl, C₂-C₂₀ fluorinated alkenyl, C₁-C₂₀ fluorinated oxyalkyl, C₂-C₂₀ fluorinated oxyalkenyl, C₂-C₂₀ fluorinated oxyalkynyl, aryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroaryl, -CN, -OR³, -CO₂R³, -SR³, -N(R³)₂, -P(R³)₂, -SOR³, -SO₂R³, and -NO₂; or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring,

 $\rm R^2$ is the same or different at each occurrence and is selected from C₁-C₂₀ alkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ alkoxy, C₁-C₂₀ oxyalkyl, C₂-C₂₀ oxyalkenyl, C₂-C₂₀ oxyalkynyl, C₁-C₂₀ fluorinated alkyl, C₂-C₂₀ fluorinated alkenyl, C₁-C₂₀ fluorinated oxyalkyl, C₂-C₂₀ fluorinated oxyalkenyl, C₂-C₂₀ fluorinated oxyalkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, -CN, -OR³, -CO₂R³, -SR³, -N(R³)₂, -P(R³)₂, -SOR³, -SO₂R³, and -NO₂; or adjacent R groups together can form a 5- or 6-membered cycloalkyl or heterocycloalkyl ring, and

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R³ is a substituent on a heteroatom which can be the same or different at each occurrence and is selected from hydrogen, alkyl, aryl, heteroalkyl and heteroaryl.